

CO-PO REPORT OF BOTANY (SF)

Sl. No.	Course Code	Name of Course	Teacher- in- charge
1	CC19BOT2L03	Cell Biology, Molecular Biology, Biophysics and Cytogenetics.	Sreelakshmi V. V. Sabeena. A. M Sweety.M. S.
2	CC19PBOT2C07	Cytogenetics, Genetics, Biostatistics, Plant breeding and Evolution	Sreelakshmi V. V Sabeena. A. M Sweety.M. S. Dr. C. J. Mani Prof.Jacob Abraham Pulikal
3	CC19PBOT2C08	Plant Ecology, Conservation Biology, Phytogeography and Forest Botany	Sreelakshmi V. V. E J Vincent
5	CC19BOT2L04	Genetics, Biostatistics, Plant Breeding, Plant Ecology, Conservation Biology, Phytogeography and Forest Botany.	Sreelakshmi V.V. Sabeena. A. M Sweety.M. S.

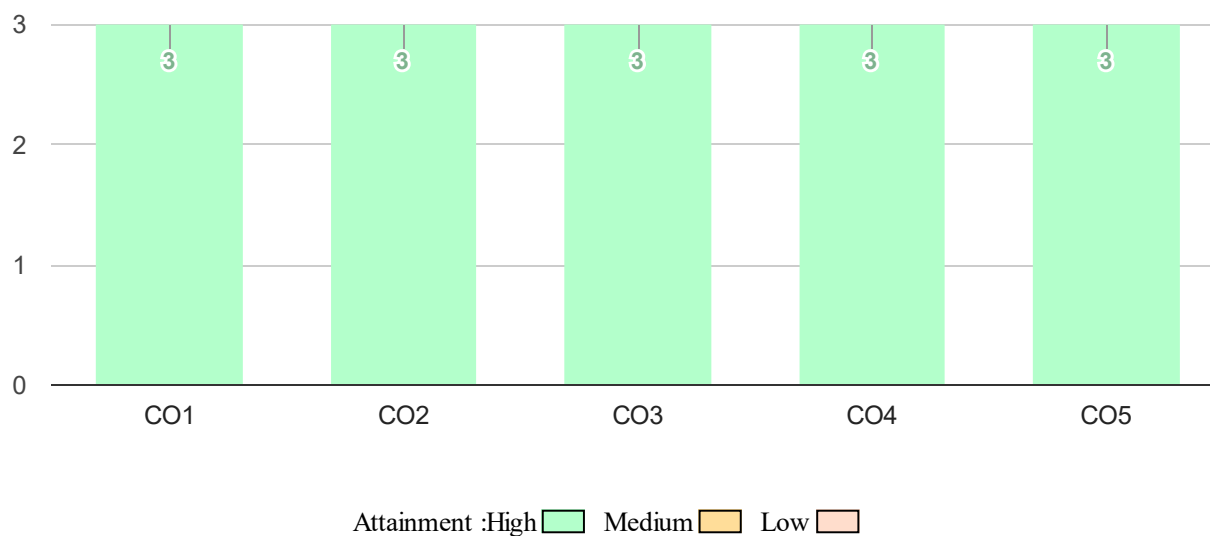


CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125

Program(s) : PG - MSC - M.Sc. Botany (Self Financing)	Department(s) : BOTANY SF	Batch(s) : MSC BOT 2022 - S2
Course Community : CC19BOT2L03 MSC BOT 2022 S2	Faculty(s) : SREELAKSHMI V. V.',Sabeena. A. M',Sweety.M. S.	Course : Cell Biology, Molecular Biology, Biophysics and Cytogenetics.

#	CO	CO1	CO2	CO3	CO4	CO5
1	Cell Biology, Molecular Biology, Biophysics and Cytogenetics.	3.00	3.00	3.00	3.00	3.00
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>						

CO Attainment Levels



CO List	
CO Code	Description
CO1	Develop skills for mitotic and meiotic studies in plants.
CO2	Develop skills for preparation of buffers and measurement and calculation of pH using pH meter
CO3	Solve the problems from molecular biology.
CO4	Solve the problem and prepare Idiogram from given data.
CO5	Make a visit to reputed molecular biology lab.



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Program(s) : PG - MSc - M.Sc. Botany (Self Financing)	Department(s) : BOTANY SF	Batch(s) : MSC BOT 2022 - S2
Course Community : CC19PBOT2C07 MSC BOT 2022 S2	Faculty(s) : SREELAKSHMI V. V.',Sabeena. A. M', 'Sweety.M. S.', 'Dr. C. J. Mani', 'Prof.Jacob Abraham Pulikal	Course : Cytogenetics, Genetics, Biostatistics, Plant Breeding and Evolution

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMBT001	AGNUS ROSE	81.6	92.8	59.2	96	99.2
2	CCAWMBT002	ANEENA MANUEL	64.11	87.2	67.63	92	18.4
3	CCAWMBT003	ANGEL THOMAS	88	87.2	88.8	100	84
4	CCAWMBT004	ATHEENA B S	78	84	80.8	100	84
5	CCAWMBT005	HRIDHYA KRISHNAN	42.4	64.8	47.57	84	80.8
6	CCAWMBT006	JOSNI.C.J	78	88.8	84	100	84
7	CCAWMBT007	LEEN BABU	65.6	62.4	63.14	88	81.6
8	CCAWMBT008	MEBIN C M	84.6	65.6	97.6	88	45.03
9	CCAWMBT009	MEEVAL ALPHONSA T PAULSON	91.27	81.33	20	100	84
10	CCAWMBT010	MERIN THOMAS	80	65.6	17.6	88	86.17

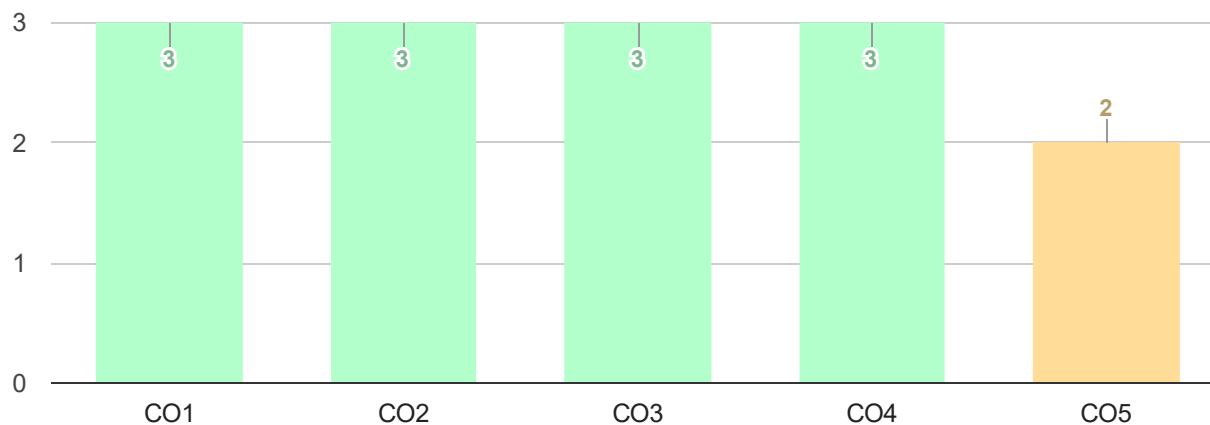
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
11	CCAWMBT011	POOJA	67.2	94.4	99.2	96	35.2
12	CCAWMBT012	SALINI V S	87.2	91.2	75.2	96	19.2
13	CCAWMBT013	SHAHANA SHAMSEER	67.2	59.2	94.4	96	83.2
14	CCAWMBT014	SINTA E A	68.27	79.31	65.6	88	17.6
15	CCAWMBT015	VISMAYA P M	84.4	82.4	90.4	92	50.4

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	14	14	11	15	9
Percentage of students with CO value greater than 60	93.33	93.33	73.33	100	60
Average	75.19	79.08	70.08	93.6	63.52
Attainment Level	3.00	3.00	3.00	3.00	2.00
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>					

CO Attainment Levels



Attainment :High █ Medium █ Low █

CO List	
CO Code	Description
CO1	Examine basic terms and concepts of cytogenetics, genetics, interaction of gene and genetic recombination and mobile genetic elements
CO2	Analyze the role of statistical tools for collection, analysis, interpretation and visualization of data, and its application in Biological experiments.
CO3	Analyze about various plant breeding techniques used in crop improvement and their application in agriculture and Horticulture.
CO4	Assess legal regulations related to IPR and organisations involved in plant breeding.
CO5	Analyze the geological time scale, concepts, theories and evidences of evolution.



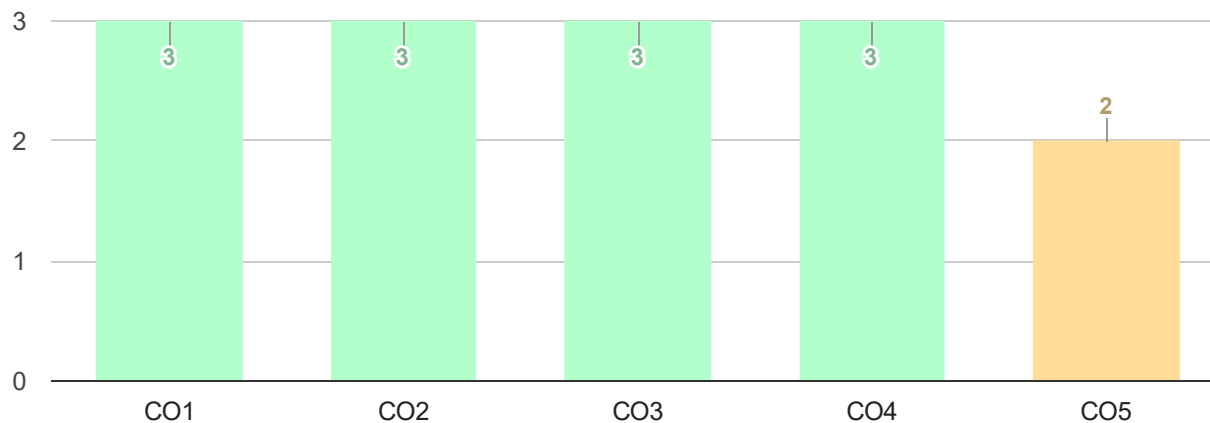
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IRINJALAKUDA.Kerala-680125

Program(s) : PG - MSC - M.Sc. Botany (Self Financing)	Department(s) : BOTANY SF	Batch(s) : MSC BOT 2022 - S2
Course Community : CC19PBOT2C08 MSC BOT 2022 S2	Faculty(s) : SREELAKSHMI V. V., E J Vincent	Course : Plant Ecology, Conservation Biology, Phytogeography and Forest Botany

#	CO	CO1	CO2	CO3	CO4	CO5
1	Plant Ecology, Conservation Biology, Phytogeography and Forest Botany	3.00	3.00	3.00	3.00	2.00

Attainment : High ■ Medium ■ Low ■

CO Attainment Levels



Attainment : High ■ Medium ■ Low ■

CO List	
CO Code	Description
CO1	Assess the concepts and importance of ecosystem and environmental hazards
CO2	Categorize the phytogeographical distribution patterns of plants and phytochoria of World and India.
CO3	Categorize the different forest types and products and major and minor forest products for sustainable utilization of bio-resources.
CO4	Select the threatened plants and the role of different biodiversity conservation ventures at local/national and global levels.
CO5	Assess the skill for Environmental Impact Assessment and awareness to Environmental laws.



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Program(s) : PG - MSc - M.Sc. Botany (Self Financing)	Department(s) : BOTANY SF	Batch(s) : MSC BOT 2022 - S2
Course Community : CC19BOT2L04 MSC BOT 2022 S2	Faculty(s) : SREELAKSHMI V. V.',Sabeena. A. M',Sweety.M. S.	Course : Genetics, Biostatistics, Plant Breeding, Plant Ecology, Conservation Biology, Phytogeography and Forest Botany.

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMBT001	AGNUS ROSE	90.4	90.4	90.4	90.4	90.4
2	CCAWMBT002	ANEENA MANUEL	83.73	90.4	90.4	90.4	83.73
3	CCAWMBT003	ANGEL THOMAS	95.2	95.2	95.2	88.53	95.2
4	CCAWMBT004	ATHEENA B S	96.27	96.27	96.27	89.6	96.27
5	CCAWMBT005	HRIDHYA KRISHNAN	92	92	92	92	92
6	CCAWMBT006	JOSNI.C.J	93.33	100	100	100	100
7	CCAWMBT007	LEEN BABU	91.47	91.47	84.8	91.47	91.47
8	CCAWMBT008	MEBIN C M	96.8	90.13	96.8	96.8	96.8
9	CCAWMBT009	MEEVAL ALPHONSA T PAULSON	91.2	97.87	97.87	97.87	97.87
10	CCAWMBT010	MERIN THOMAS	100	100	93.33	100	100

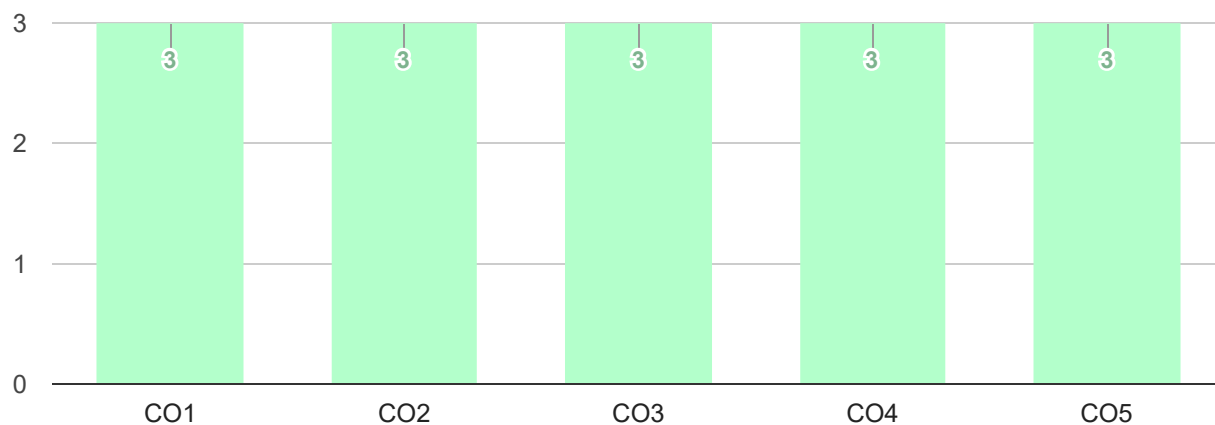
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
11	CCAWMBT011	POOJA	100	100	100	100	100
12	CCAWMBT012	SALINI V S	100	100	100	100	100
13	CCAWMBT013	SHAHANA SHAMSEER	98.4	98.4	98.4	98.4	91.73
14	CCAWMBT014	SINTA E A	95.2	95.2	95.2	95.2	95.2
15	CCAWMBT015	VISMAYA P M	90.4	90.4	83.73	90.4	90.4

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	15	15	15	15	15
Percentage of students with CO value greater than 60	100	100	100	100	100
Average	94.29	95.18	94.29	94.74	94.74
Attainment Level	3.00	3.00	3.00	3.00	3.00
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>					

CO Attainment Levels



Attainment : High █ Medium █ Low █

CO List	
CO Code	Description
CO1	Analyze Plant Population details, various floristic and vegetational regions of the World and India in maps and forest products.
CO2	Demonstrate hybridization technique in plants and visit to a plant breeding station.
CO3	Solve the Problems from Central tendencies, Measures of dispersion, tests of significance and correlation analysis .
CO4	Develop skills for estimation of dissolved oxygen content in the water sample by Winkler's method.
CO5	Solve the problems of linkage.